



Active Wavelength Division Multiplexer

FiberPlex Technologies, LLC



“We have gotten very positive feedback from our DOD and government clients who had previously had no exposure to the Neutrik line. They typically had to secure power lines from accidental removal by physically securing them to the racks. They were happy to be introduced to a new and better solution in the powerCON TRUE1.”

Buddy Oliver, President & CEO, FiberPlex Technologies, LLC

- Manufacturer** FiberPlex Technologies, LLC, Maryland, USA, fiberplex.com
- Product** WDM16, WDM8
- Neutrik components** NAC3MPX, NO2-4FDW-A

Starting Point

Design a state-of-the-art 16 channel wave division multiplexer with redundant power and a locking mains connector.

Challenge

The WDM16 and WDM8 are mission critical backbone transport. They carry up to either 16 or 8 high speed optical feeds on a single fiber pair. Applications range from broadcast events to tying data, telecom, audio and video backbones between buildings in a campus in both commercial and government applications. The system cannot fail. A robust locking AC inlet connector for the hot swappable redundant power supplies was needed.

Customer benefit

The powerCON TRUE1 not only gives that secure locking connection FiberPlex needed, but helps to set them apart from the crowd. The TRUE1 adds to the perceived value of their product helping to elevate it to the high end, first class product that it is.





Premier Touring System

EAW



“The TRUE1 connectors used in Anya have reiterated everything we have come to expect from Neutrik – dependability, acceptance and quality. We are confident that it was the right choice.”

John Dugan, Mechanical Engineer, EAW

Manufacturer	EAW - Eastern Acoustic Works, Massachusetts, USA, eaw.com
Product	ANYA System
Neutrik components	NAC3MPX, NE8FBH-LED, NC3FBH1, NC3MBH

Starting Point

Determination of a robust power connector suitable for EAW’s premier touring system, Anya.

Challenge

The challenge was to determine a power distribution solution that would satisfy Anya’s electrical requirements, provide “hot” make and break capabilities, and would also be standardized in the industry and thus enjoy user acceptance.

Customer benefit

The powerCON TRUE1 connection system filled the bill for all electrical and mechanical requirements. In addition, given Neutrik’s brand recognition, EAW were confident that users would feel comfortable with the solution.





20 Amp powerCON TRUE1 Extensions

LEX Products



“As LEX’s Product Manager I have always enjoyed and appreciated Neutrik’s power connectors. I feel the concept of the TRUE1 is a natural evolution to what the consumer needs. The IP65 rating is such an added plus to OEM’s like LEX and it is great that Neutrik is listening to the consumer.”

Patrick O’Keefe, Product Manager, LEX

Manufacturer	Lex Products Corporation, Connecticut, USA, www.lexproducts.com
Product	PE700-XXX-TRUE1
Neutrik components	NAC3MX-W, NAC3FX-W

Starting Point

When LEX saw the powerCON TRUE1, they believed it to be the best solution. Customers began asking and LEX responded to the market.

Challenge

There were no challenges with the TRUE1 within production as it offers the same easy assembly as the conventional powerCON connectors.

Customer benefit

LEX has seen a ramping up of the demand for these cables already! The entertainment industry is their largest customer for the use of this cable assembly. LEX is now including a line of TRUE1 adapter cable assemblies terminated to Edison, 20 Amp Stage Pins and L520’s. They also are currently looking at new LEX designs and offerings where they will be incorporating the TRUE1.





Smaller, lighter & easier modular display

FOREGROUND Display Limited

mambominiLED™



“The powerCON TRUE1 gives us a reliable and secure locking connection.”

Clifford Rickman, CTO of FOREGROUND Display Limited

- Manufacturer** FOREGROUND Display Limited, Shenzhen, China, www.foreground.cc
- Product** Mini Mambo-6, Mini Mambo-8, Mini Mambo-9
- Neutrik components** NAC3FX-W, NAC3MX-W, NAC3FPX, NAC3MPX, NE8MC-1, NE8FDP

Starting Point

Foreground needed to configure various panels to appear as one screen and were looking for a reliable and secure locking power connection. Applications range from soccer courts to shopping malls in oversea markets like UK and USA.

Challenge

Mini Mambo-6, Mini Mambo-8 and Mini Mambo-9 mainly focus on outdoor projects. The applications demand a waterproof and robust locking system on power and data connection. The system must not fail. Moreover, the locking system has to allow fast and effortless vertical panel connection in set-up and take-down.

Customer benefit

The powerCON TRUE1 helps to raise the Mambo panels to a professional product and guarantees a reliable and secure locking connection.





IP-65 LED based moving head

SGM A/S



“I have always seen Neutrik as a state-of-the-art connector supplier and for us the objective was clear from the very beginning: Neutrik must be a part of our success.”

Peter Johansen, CEO, SGM A/S

Manufacturer	SGM A/S, Aarhus V, Denmark www.sgmlight.com
Product	G-Spot
Neutrik components	NAC3MPX, NKPF-NC-A-2, NC5FX-HD, NC5MX-HD

Starting Point

SGM decided to make the first IP-65 LED based moving head

Challenge

The challenge was to obtain a LED based fixture with equal or more light output than conventional light fixtures – and to make it waterproof. To develop an automated lighting fixture with such high complexity featuring groundbreaking LED technology and with an IP65 rating making it water- and dust proof is a challenge that all other manufacturers have abandoned in advance. But being frontrunner in lighting technology since 1987, this was a challenge that SGM could not resist.

Customer benefit

The Neutrik powerCON TRUE1 makes it possible for SGM to achieve their goal of IP65 light fixtures.





Stage LED Displays

ROE Visual Co., Ltd.



“Neutrik products have good quality and reliability. Especially the powerCON TRUE1 as it offers CBC and IP 65 rating.”

ROE Visual Co., Ltd.

Manufacturer ROE Visual Co., Ltd., China
www.roevisual.com

Product LED Displays Magic Cube and Hybride

Neutrik components NAC3FPX, NAC3FX-W, NAC3MX-W,
NE8FDV-SE, NE8MC-1

Starting Point

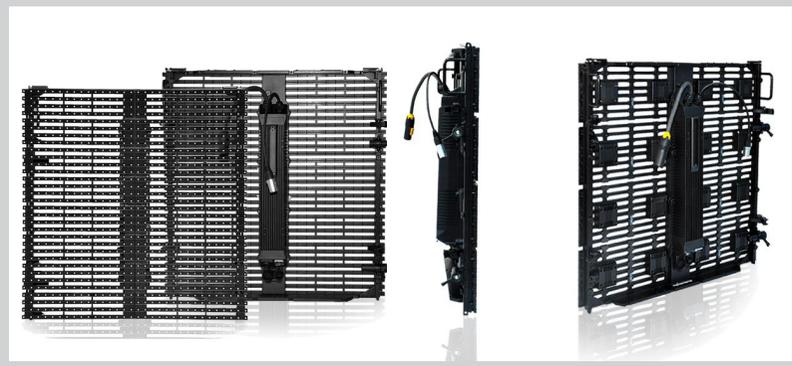
A customer asked for more stable connectors on the LED Displays.

Challenge

As most LED Displays are used outdoor, the connectors had to be waterproof. ROE Visual chose Neutrik’s powerCON TRUE1 and etherCON connectors. Today they use those connectors for any export orders.

Customer benefit

The Neutrik connectors are stable, reliable, waterproof and offer CBC.





Changeover to powerCON TRUE1

fournell showtechnik GmbH



“From my point of view, the powerCON TRUE1 connectors even have the potential to replace further connections in our industry in long term.”

Thomas Fletcher, Technical Director, furnell showtechnik GmbH

Manufacturer	fournell showtechnik GmbH, Germany www.fournell.de
Product	LED outdoor spotlights SGM P5, Expo-Lite TourStick Power CM+W, ExpoLite TourLED Pro 28 CM+W Zoom
Neutrik components	NAC3FX-W, NAC3MX-W, NAC3PX, NC3FX-HD, NC3MX-HD



Starting Point

For quite some time, furnell showtechnik GmbH was looking for a connector for outdoor spotlights.

Challenge

The sought-after connector had to meet the following characteristics: IP 67, compact size, lockability, extension without Spookies / connectors, potential to assert as industry standard.

Customer benefit

Neutrik's powerCON TRUE1 as well as XLR HD connectors fulfill all requirements furnell showtechnik GmbH was looking for. Therefore furnell converted its LED outdoor spotlights (SGM P5, Expolite Stick Power Tour CM + W and Expolite TourLED Pro 28 CM + W zoom).